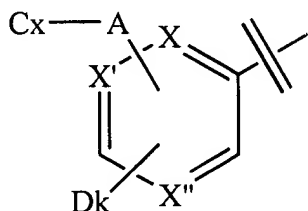


wherein Q is $(CH_2)_u$, Q^i is $(CH_2)_v$, Q^{ii} is $(CH_2)_w$, Q^{iii} is $(CH_2)_x$, and Q^{iv} is $(CH_2)_y$, where u, v, w and x are individually 0, 1, 2, 3 or 4 and y is 1 or 2; wherein u, v, w and x are selected such that the ring is a diazabicyclononane; Z is a substituent species G; j is from 0 to 10; R is hydrogen or C_{1-8} alkyl; and Cy is



where each of X, X' and X'' are individually nitrogen, nitrogen bonded to oxygen or carbon bonded to a substituent species G; A is O or C=O; D is a substituent species G; k is 0, 1 or 2; and Cx is selected from a group consisting of aryl, substituted aryl, heteroaryl, substituted heteroaryl, non-aromatic heterocyclyl, substituted non-aromatic heterocyclyl, non-aromatic heterocyclylalkyl and substituted non-aromatic heterocyclylalkyl,

wherein G is selected from the group consisting of alkyl, substituted alkyl, alkenyl, substituted alkenyl, non-aromatic heterocyclyl, substituted non-aromatic heterocyclyl, aryl, substituted aryl, heteroaryl, substituted heteroaryl, alkylaryl, substituted alkylaryl, arylalkyl, substituted arylalkyl, -F, -Cl, -Br, -I, -OR', -NR'R -CF₃, -CN, -N₃, -NO₂, -C₂ R', -SR', -SOR', -SO₂ CH₃, -SO₂ NR'R -C(=O)NR'R'', -NR'C(=O)R -NR'SO₂ R -C(=O)R', -C(=O)OR', -(CH₂)_qOR', -OC(=O)R', -(CR'R)_qOCH₂C₂ R', -(CR'R)_qC(=O)R', -O(CR'R)_qC(=O)R', -C₂(CR'R)_qOR', -(CR'R)_qNR'R -OC(=O)NR'R and -NR'C(=O)OR' where R' and R are individually hydrogen, C_{1-8} alkyl, an aromatic group-containing species or a substituted aromatic group-containing species, wherein the substituent is G and the aromatic group containing species is phenyl, biphenyl, naphthyl, pyridinyl, pyrimidinyl, quinolinyl, or indolyl, and

q is an integer from 1 to 6.

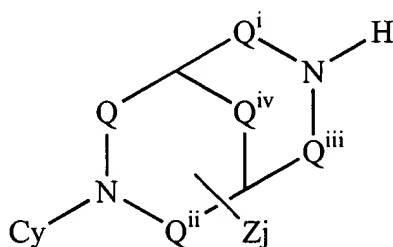
B² 7. (Amended) The compound of Claim 6, wherein Y, Y', Y'' and Y''' all are carbon bonded to a substituent species G.

8. (Amended) The compound of Claim 6, wherein one or two of Y, Y', Y'' and Y''' are nitrogen and the remaining are carbon bonded to a substituent species G.

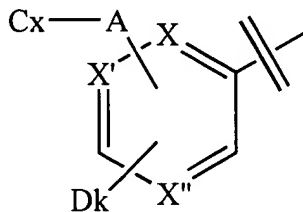
9. (Amended) The compound of Claim 6, wherein E, E' and E'' all are carbon bonded to substituent species G.

10. (Amended) The compound of Claim 6, wherein one or two of E, E' and E'' are nitrogen and the remaining are carbon bonded to substituent species G.

12. (Amended) A compound of the formula:



wherein Q is $(CH_2)_u$, Q^i is $(CH_2)_v$, Q^{ii} is $(CH_2)_w$, Q^{iii} is $(CH_2)_x$, and Q^{iv} is $(CH_2)_y$, where u, v, w and x are individually 0, 1, 2, 3 or 4 and y is 1 or 2; Z is a substituent species G; j is from 0 to 10; R is hydrogen or C_{1-8} alkyl; and Cy is



where each of X, X' and X'' are individually nitrogen, nitrogen bonded to oxygen or carbon bonded to a substituent species G; A is a covalent bond; D is a substituent species G; k is 0, 1 or 2; Cx is selected from a group consisting of aryl, substituted aryl, heteroaryl, substituted

heteroaryl, non-aromatic heterocyclyl, substituted non-aromatic heterocyclyl, non-aromatic heterocyclylalkyl and substituted non-aromatic heterocyclylalkyl, with the proviso that Cx is not phenyl or substituted phenyl;

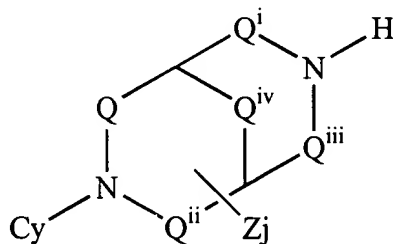
B³

G is selected from the group consisting of alkyl, substituted alkyl, alkenyl, substituted alkenyl, non-aromatic heterocyclyl, substituted non-aromatic heterocyclyl, aryl, substituted aryl, heteroaryl, substituted heteroaryl, alkylaryl, substituted alkylaryl, arylalkyl, substituted arylalkyl, -F, -Cl, -Br, -I, -OR', -NR'R', -CF₃, -CN, -N₃, -NO₂, -C₂R', -SR', -SOR', -SO₂CH₃, -SO₂NR'R', -C(=O)NR'R'', -NR'C(=O)R', -NR'SO₂R', -C(=O)R', -C(=O)OR', -(CH₂)_qOR', -OC(=O)R', -(CR'R')_qOCH₂C₂R', -(CR'R')_qC(=O)R', -O(CR'R')_qC(=O)R', -C₂(CR'R')_qOR', -(CR'R')_qNR'R', -OC(=O)NR'R' and -NR'C(=O)OR' where R' and R are individually hydrogen, C₁₋₈ alkyl, an aromatic group-containing species or a substituted aromatic group-containing species, wherein the substituent is G and the aromatic group containing species is phenyl, biphenyl, naphthyl, pyridinyl, pyrimidinyl, quinolinyl, or indolyl,

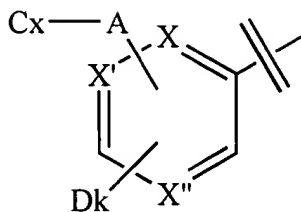
and q is an integer from 1 to 6.

B⁴

22. (Amended) A pharmaceutical composition useful for treatment of central nervous system disorders comprising a therapeutically effective amount of a compound of the formula:



wherein Q is (CH₂)_u, Qⁱ is (CH₂)_v, Qⁱⁱ is (CH₂)_w, Qⁱⁱⁱ is (CH₂)_x, and Q^{iv} is (CH₂)_y, where u, v, w and x are individually 0, 1, 2, 3 or 4 and y is 1 or 2; wherein u, v, w and x are selected such that the ring is a diazabicyclononane; Z is a substituent species G; j is from 0 to 10; R is hydrogen or C₁₋₈ alkyl; and Cy is



where each of X, X' and X'' are individually nitrogen, nitrogen bonded to oxygen or carbon bonded to a substituent species G; A is O or C=O; D is a substituent species G; k is 0, 1 or 2; and Cx is selected from a group consisting of aryl, substituted aryl, heteroaryl, substituted heteroaryl, non-aromatic heterocyclyl, substituted non-aromatic heterocyclyl, non-aromatic heterocyclylalkyl and substituted non-aromatic heterocyclylalkyl,

wherein G is selected from the group consisting of alkyl, substituted alkyl, alkenyl, substituted alkenyl, non-aromatic heterocyclyl, substituted non-aromatic heterocyclyl, aryl, substituted aryl, heteroaryl, substituted heteroaryl, alkylaryl, substituted alkylaryl, arylalkyl, substituted arylalkyl, -F, -Cl, -Br, -I, -OR', -NR'R -CF₃, -CN, -N₃, -NO₂, -C₂ R', -SR', -SOR', -SO₂ CH₃, -SO₂ NR'R -C(=O)NR'R'', -NR'C(=O)R -NR'SO₂ R -C(=O)R', -C(=O)OR', -(CH₂)_qOR', -OC(=O)R', -(CR'R)_qOCH₂C₂ R', -(CR'R)_qC(=O)R', -O(CR'R)_qC(=O)R', -C₂(CR'R)_qOR', -(CR'R)_qNR'R -OC(=O)NR'R and -NR'C(=O)OR' where R' and R are individually hydrogen, C₁₋₈ alkyl, an aromatic group-containing species or a substituted aromatic group-containing species, wherein the substituent is G and the aromatic group containing species is phenyl, biphenyl, naphthyl, pyridinyl, pyrimidinyl, quinolinyl, or indolyl, and

q is an integer from 1 to 6.

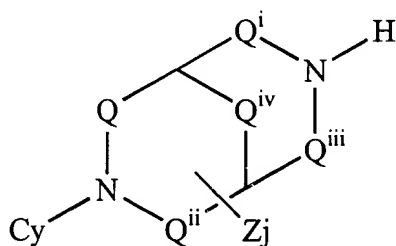
B⁵ 28. (Amended) The pharmaceutical composition of Claim 27, wherein Y, Y', Y'' and Y''' all are carbon bonded to a substituent species G.

29. (Amended) The pharmaceutical composition of Claim 27, wherein one or two of Y, Y', Y'' and Y''' are nitrogen and the remaining are carbon bonded to a substituent species G.

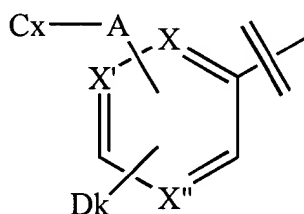
B⁵ 30. (Amended) The pharmaceutical composition of Claim 27, wherein E', E'' and E''' all are carbon bonded to substituent species G.

31. (Amended) The pharmaceutical composition of Claim 27, wherein one or two of E', E'' and E''' are nitrogen and the remaining are carbon bonded to substituent species G.

B⁶ 33. (Amended) A pharmaceutical composition useful for treatment of central nervous system disorders comprising a therapeutically effective amount of a compound of the formula:



wherein Q is $(CH_2)_u$, Q^i is $(CH_2)_v$, Q^{ii} is $(CH_2)_w$, Q^{iii} is $(CH_2)_x$, and Q^{iv} is $(CH_2)_y$, where u, v, w and x are individually 0, 1, 2, 3 or 4 and y is 1 or 2; Z is a substituent species G; j is from 0 to 10; R is hydrogen or C_{1-8} alkyl; and Cy is



where each of X, X' and X'' are individually nitrogen, nitrogen bonded to oxygen or carbon bonded to a substituent species G; A is a covalent bond; D is a substituent species G; k is 0, 1 or 2; Cx is selected from a group consisting of aryl, substituted aryl, heteroaryl, substituted heteroaryl, non-aromatic heterocyclyl, substituted non-aromatic heterocyclyl, non-aromatic

heterocyclalkyl and substituted non-aromatic heterocyclalkyl, with the proviso that Cx is not phenyl or substituted phenyl;

B6 G is selected from the group consisting of alkyl, substituted alkyl, alkenyl, substituted alkenyl, non-aromatic heterocycl, substituted non-aromatic heterocycl, aryl, substituted aryl, heteroaryl, substituted heteroaryl, alkylaryl, substituted alkylaryl, arylalkyl, substituted arylalkyl, -F, -Cl, -Br, -I, -OR', -NR'R -CF₃, -CN, -N₃, -NO₂, -C₂ R', -SR', -SOR', -SO₂ CH₃, -SO₂ NR'R - C(=O)NR'R", -NR'C(=O)R -NR'SO₂ R -C(=O)R', -C(=O)OR', -(CH₂)_qOR', -OC(=O)R', - (CR'R)_qOCH₂C₂ R', -(CR'R)_qC(=O)R', -O(CR'R)_qC(=O)R', -C₂(CR'R)_qOR', -(CR'R)_qNR'R - OC(=O)NR'R and -NR'C(=O)OR' where R' and R are individually hydrogen, C₁₋₈ alkyl, an aromatic group-containing species or a substituted aromatic group-containing species, wherein the substituent is G and the aromatic group containing species is phenyl, biphenyl, naphthyl, pyridinyl, pyrimidinyl, quinolinyl, or indolyl,

and q is an integer from 1 to 6.

B7 39. (Amended) The pharmaceutical composition of Claim 38, wherein Y, Y', Y'' and Y''' all are carbon bonded to a substituent species G.

40. (Amended) The pharmaceutical composition of Claim 38, wherein one or two of Y, Y', Y'' and Y''' are nitrogen and the remaining are carbon bonded to a substituent species G.

41. (Amended) The pharmaceutical composition of Claim 38, wherein E', E'' and E''' all are carbon bonded to substituent species G.

42. (Amended) The pharmaceutical composition of Claim 38, wherein one or two of E', E'' and E''' are nitrogen and the remaining are carbon bonded to substituent species G.